IN THE SPECIFICATION:

Kindly amend the specification at paragraph [0014] as follows:

[0014] Using the spatial correlation among pixels in the input image to adapt resampling schemes to the specific contents of the signal and noise contained in the image produces a sharper picture with fewer undesirable visual artifacts. The method uses a mathematical algorithm to estimate and preserve inter-pixel relationships within[[t]] the images, thus keeping edges sharp, while allowing softer areas of the image to remain smooth.